



IFW16

## RAW SEQUENCE LISTING

DATE: 08/02/2004

PATENT APPLICATION: US/09/643,458C

TIME: 10:59:49

Input Set : A:\09\_643,458 Substitute Sequence Listing 7\_23\_04.txt

Output Set: N:\CRF4\08022004\I643458C.raw

3 <110> APPLICANT: Mytych, Daniel T  
 4 Swanson, Steven J  
 6 <120> TITLE OF INVENTION: METHODS AND REAGENTS FOR THE DETECTION OF ANTIBODIES TO  
 ADENOVIRUS  
 8 <130> FILE REFERENCE: JB0976-Q-US  
 10 <140> CURRENT APPLICATION NUMBER: 09/643,458C  
 11 <141> CURRENT FILING DATE: 2000-08-22  
 13 <150> PRIOR APPLICATION NUMBER: 60/150,622  
 14 <151> PRIOR FILING DATE: 1999-08-25  
 16 <160> NUMBER OF SEQ ID NOS: 16  
 18 <170> SOFTWARE: PatentIn version 3.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 32  
 22 <212> TYPE: PRT  
 23 <213> ORGANISM: artificial sequence  
 25 <220> FEATURE:  
 26 <223> OTHER INFORMATION: peptide for detection of adenovirus antibody  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: MOD\_RES  
 30 <222> LOCATION: 32  
 31 <223> OTHER INFORMATION: AMIDATION  
 33 <400> SEQUENCE: 1  
 35 Ala Ala Thr Ala Leu Glu Ile Asn Leu Glu Glu Glu Asp Asp Asp Asn  
 36 1 5 10 15  
 39 Glu Asp Glu Val Asp Glu Gln Ala Glu Gln Gln Lys Thr His Val Phe  
 40 20 25 30  
 43 <210> SEQ ID NO: 2  
 44 <211> LENGTH: 13  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: artificial sequence  
 48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: peptide for detection of adenovirus antibody  
 51 <220> FEATURE:  
 52 <221> NAME/KEY: MOD\_RES  
 53 <222> LOCATION: 13  
 54 <223> OTHER INFORMATION: AMIDATION  
 56 <400> SEQUENCE: 2  
 58 Ile Gly Val Glu Gly Gln Thr Pro Lys Tyr Ala Asp Lys  
 59 1 5 10  
 62 <210> SEQ ID NO: 3  
 63 <211> LENGTH: 15  
 64 <212> TYPE: PRT  
 65 <213> ORGANISM: artificial sequence  
 67 <220> FEATURE:



## RAW SEQUENCE LISTING

DATE: 08/02/2004

PATENT APPLICATION: US/09/643,458C

TIME: 10:59:49

Input Set : A:\09\_643,458 Substitute Sequence Listing 7\_23\_04.txt

Output Set : N:\CRF4\08022004\I643458C.raw

```

68 <223> OTHER INFORMATION: peptide for detection of adenovirus antibody
70 <220> FEATURE:
71 <221> NAME/KEY: MOD_RES
72 <222> LOCATION: 15
73 <223> OTHER INFORMATION: AMIDATION
75 <400> SEQUENCE: 3
77 Tyr Glu Thr Glu Ile Asn His Ala Ala Gly Arg Val Leu Lys Lys
78 1          5          10          15
81 <210> SEQ ID NO: 4
82 <211> LENGTH: 14
83 <212> TYPE: PRT
84 <213> ORGANISM: artificial sequence
86 <220> FEATURE:
87 <223> OTHER INFORMATION: peptide of detection of adenovirus antibody
89 <220> FEATURE:
90 <221> NAME/KEY: MOD_RES
91 <222> LOCATION: 14
92 <223> OTHER INFORMATION: AMIDATION
94 <400> SEQUENCE: 4
96 Gly Ile Leu Val Lys Gln Gln Asn Gly Lys Leu Glu Ser Gln
97 1          5          10
100 <210> SEQ ID NO: 5
101 <211> LENGTH: 17
102 <212> TYPE: PRT
103 <213> ORGANISM: artificial sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: peptide for detection of adenovirus antibody
108 <220> FEATURE:
109 <221> NAME/KEY: MOD_RES
110 <222> LOCATION: 17
111 <223> OTHER INFORMATION: AMIDATION
113 <400> SEQUENCE: 5
115 Ser Thr Thr Glu Ala Thr Ala Gly Asn Gly Asp Asn Leu Thr Pro Lys
116 1          5          10          15
119 Val
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 14
125 <212> TYPE: PRT
126 <213> ORGANISM: artificial sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: peptide of detection of adenovirus antibody
131 <220> FEATURE:
132 <221> NAME/KEY: MOD_RES
133 <222> LOCATION: 14
134 <223> OTHER INFORMATION: AMIDATION
136 <400> SEQUENCE: 6
138 Met Pro Thr Ile Lys Glu Gly Asn Ser Arg Glu Leu Met Gly
139 1          5          10
142 <210> SEQ ID NO: 7

```

## RAW SEQUENCE LISTING

DATE: 08/02/2004

PATENT APPLICATION: US/09/643,458C

TIME: 10:59:49

Input Set : A:\09\_643,458 Substitute Sequence Listing 7\_23\_04.txt

Output Set: N:\CRF4\08022004\I643458C.raw

```

143 <211> LENGTH: 30
144 <212> TYPE: PRT
145 <213> ORGANISM: artificial sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: peptide of detection of adenovirus antibody
150 <220> FEATURE:
151 <221> NAME/KEY: MOD_RES
152 <222> LOCATION: 30
153 <223> OTHER INFORMATION: AMIDATION
155 <400> SEQUENCE: 7
157 Val Ile Asn Thr Glu Thr Leu Thr Lys Val Lys Pro Lys Thr Gly Gln
158 1           5           10          15
161 Glu Asn Gly Trp Glu Lys Asp Ala Thr Glu Phe Ser Asp Lys
162           20           25          30
165 <210> SEQ ID NO: 8
166 <211> LENGTH: 5
167 <212> TYPE: PRT
168 <213> ORGANISM: artificial sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: leading sequence
173 <400> SEQUENCE: 8
175 Cys Lys Gly Lys Gly
176 1           5
179 <210> SEQ ID NO: 9
180 <211> LENGTH: 37
181 <212> TYPE: PRT
182 <213> ORGANISM: artificial sequence
184 <220> FEATURE:
185 <223> OTHER INFORMATION: peptide for detection of adenovirus antibody
187 <220> FEATURE:
188 <221> NAME/KEY: MOD_RES
189 <222> LOCATION: 37
190 <223> OTHER INFORMATION: AMIDATION
192 <400> SEQUENCE: 9
194 Cys Lys Gly Lys Gly Ala Ala Thr Ala Leu Glu Ile Asn Leu Glu Glu
195 1           5           10          15
198 Glu Asp Asp Asp Asn Glu Asp Glu Val Asp Glu Gln Ala Glu Gln Gln
199           20           25          30
202 Lys Thr His Val Phe
203           35
206 <210> SEQ ID NO: 10
207 <211> LENGTH: 18
208 <212> TYPE: PRT
209 <213> ORGANISM: artificial sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: peptide for detection of adenovirus antibody
214 <220> FEATURE:
215 <221> NAME/KEY: MOD_RES
216 <222> LOCATION: 18

```

## RAW SEQUENCE LISTING

DATE: 08/02/2004

PATENT APPLICATION: US/09/643,458C

TIME: 10:59:49

Input Set : A:\09\_643,458 Substitute Sequence Listing 7\_23\_04.txt

Output Set: N:\CRF4\08022004\I643458C.raw

217 <223> OTHER INFORMATION: AMIDATION  
 219 <400> SEQUENCE: 10  
 221 Cys Lys Gly Lys Gly Ile Gly Val Glu Gly Gln Thr Pro Lys Tyr Ala  
 222 1 5 10 15  
 225 Asp Lys  
 229 <210> SEQ ID NO: 11  
 230 <211> LENGTH: 20  
 231 <212> TYPE: PRT  
 232 <213> ORGANISM: artificial sequence  
 234 <220> FEATURE:  
 235 <223> OTHER INFORMATION: peptide for detection of adenovirus antibody  
 237 <220> FEATURE:  
 238 <221> NAME/KEY: MOD\_RES  
 239 <222> LOCATION: 20  
 240 <223> OTHER INFORMATION: AMIDATION  
 242 <400> SEQUENCE: 11  
 244 Cys Lys Gly Lys Gly Tyr Glu Thr Glu Ile Asn His Ala Ala Gly Arg  
 245 1 5 10 15  
 248 Val Leu Lys Lys  
 249 20  
 252 <210> SEQ ID NO: 12  
 253 <211> LENGTH: 19  
 254 <212> TYPE: PRT  
 255 <213> ORGANISM: artificial sequence  
 257 <220> FEATURE:  
 258 <223> OTHER INFORMATION: peptide for detection of adenovirus antibody  
 260 <220> FEATURE:  
 261 <221> NAME/KEY: MOD\_RES  
 262 <222> LOCATION: 19  
 263 <223> OTHER INFORMATION: AMIDATION  
 265 <400> SEQUENCE: 12  
 267 Cys Lys Gly Lys Gly Gly Ile Leu Val Lys Gln Gln Asn Gly Lys Leu  
 268 1 5 10 15  
 271 Glu Ser Gln  
 275 <210> SEQ ID NO: 13  
 276 <211> LENGTH: 22  
 277 <212> TYPE: PRT  
 278 <213> ORGANISM: artificial sequence  
 280 <220> FEATURE:  
 281 <223> OTHER INFORMATION: peptide of detection of adenovirus antibody  
 283 <220> FEATURE:  
 284 <221> NAME/KEY: MOD\_RES  
 285 <222> LOCATION: 22  
 286 <223> OTHER INFORMATION: AMIDATION  
 288 <400> SEQUENCE: 13  
 290 Cys Lys Gly Lys Gly Ser Thr Thr Glu Ala Thr Ala Gly Asn Gly Asp  
 291 1 5 10 15  
 294 Asn Leu Thr Pro Lys Val  
 295 20

## RAW SEQUENCE LISTING

DATE: 08/02/2004

PATENT APPLICATION: US/09/643,458C

TIME: 10:59:49

Input Set : A:\09\_643,458 Substitute Sequence Listing 7\_23\_04.txt

Output Set: N:\CRF4\08022004\I643458C.raw

```

298 <210> SEQ ID NO: 14
299 <211> LENGTH: 19
300 <212> TYPE: PRT
301 <213> ORGANISM: artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: peptide of detection of adenovirus antibody
306 <220> FEATURE:
307 <221> NAME/KEY: MOD_RES
308 <222> LOCATION: 19
309 <223> OTHER INFORMATION: AMIDATION
311 <400> SEQUENCE: 14
313 Cys Lys Gly Lys Gly Met Pro Thr Ile Lys Glu Gly Asn Ser Arg Glu
314 1          5          10          15
317 Leu Met Gly
321 <210> SEQ ID NO: 15
322 <211> LENGTH: 35
323 <212> TYPE: PRT
324 <213> ORGANISM: artificial sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: peptide of detection of adenovirus antibody
329 <220> FEATURE:
330 <221> NAME/KEY: MOD_RES
331 <222> LOCATION: 35
332 <223> OTHER INFORMATION: AMIDATION
335 <400> SEQUENCE: 15
337 Cys Lys Gly Lys Gly Val Ile Asn Thr Glu Thr Leu Thr Lys Val Lys
338 1          5          10          15
341 Pro Lys Thr Gly Gln Glu Asn Gly Trp Glu Lys Asp Ala Thr Glu Phe
342          20          25          30
345 Ser Asp Lys
346          35
348 <210> SEQ ID NO: 16
349 <211> LENGTH: 4
350 <212> TYPE: PRT
351 <213> ORGANISM: artificial sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: leading sequence
356 <400> SEQUENCE: 16
358 Lys Gly Lys Gly
359 1

```

**VERIFICATION SUMMARY**

DATE: 08/02/2004

PATENT APPLICATION: US/09/643,458C

TIME: 10:59:50

Input Set : A:\09\_643,458 Substitute Sequence Listing 7\_23\_04.txt

Output Set: N:\CRF4\08022004\I643458C.raw